

Amendments to the Claims:

A clean version of the entire set of pending claims (including amendments to the claims, if any) is submitted herewith per 37 CFR § 1.121(c)(3). This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently amended) An electro-acoustic transducer ~~having, comprising:~~
sound-generating means arranged in an annular form; and
~~having~~ a circuit unit, ~~which circuit unit has~~ comprising a circuit substrate and at least one circuit component of a signal-processing circuit, ~~which the~~ circuit component is being mounted on the circuit substrate,

wherein the sound-generating means ~~are annular in form and surround~~ define an interior space, ~~which interior space~~ is accessible from outside the sound-generating means when the transducer is being manufactured and before the circuit unit is fitted, and

wherein the at least one circuit component is ~~arranged in~~ positioned within the interior space ~~is defined by~~ the sound-generating means and forms a communication circuit of a communication partner device for contactless communication.
2. (Currently amended) ~~An~~ The electro-acoustic transducer as claimed in claim 1, wherein the at least one circuit component comprises only a single circuit component is ~~provided that~~ is formed by an integrated circuit connected to the circuit substrate, ~~which the~~ integrated circuit ~~forms~~ forming the communication circuit.
3. (Currently amended) ~~An~~ The electro-acoustic transducer as claimed in claim 1, wherein the integrated at least one circuit component is embedded in a plastics encapsulation ~~wherein~~ and two connecting contacts, each of which is connected to a moving-coil contact of a moving coil ~~belonging to of~~ the sound-generating means, are ~~provided on in contact with~~ the plastics encapsulation, and

wherein the moving coil is ~~intended and~~ used, in addition, as a contactless transmission means of the communication partner device.

4. (Currently amended) ~~An~~ The electro-acoustic transducer as claimed in claim 1, wherein the sound-generating means ~~have~~ comprises a diaphragm, and wherein four contact terminals, each in the form of a sector of a substantially circular annulus, are provided on a face of the circuit substrate ~~that is remote~~ facing away from the diaphragm.

5. (Currently amended) ~~An~~ The electro-acoustic transducer as claimed in claim 1, wherein the circuit unit is ~~arranged to be~~ removable without the use of a separate tool.

6. (Currently amended) ~~An~~ The electro-acoustic transducer as claimed in claim 1, wherein the transducer ~~has~~ comprises a cup-shaped housing, whose having a height in the a direction in which a transducer parallel to an axis of the transducer is oriented is between 2 and 5 mm and whose a diameter perpendicular to the direction in which of the transducer axis is oriented is between 6 and 20 mm.

7. (New) An electro-acoustic transducer, comprising:
a sound-generator having an annular form and defining an interior space, the sound-generator comprising a moving coil; and

a circuit unit comprising a circuit substrate and at least one circuit component of a signal-processing circuit, the at least one circuit component being mounted on the circuit substrate and embedded in a plastics encapsulation comprising at least one contact, the at least one contact being connected to a moving-coil contact of the moving coil,

wherein the interior space is accessible from outside the sound-generator when the transducer is being manufactured and before the circuit unit is included, and

wherein the at least one circuit component is positioned within the interior space and forms a communication circuit of a communication partner device for contactless

communication, the moving coil being used for the contactless communication.

8. (New) The transducer of claim 7, wherein the annular form of the sound-generator comprises one of a circle or an ellipse.

9. (New) The transducer of claim 7, wherein the annular form of the sound-generator comprises one of a square or a rectangle.

10. (New) An electro-acoustic transducer, comprising:
a sound-generator defining an interior space, the sound generator comprising a diaphragm, a moving coil in contact with the diaphragm, and a magnet system arranged around an outer perimeter of the interior space; and
a circuit unit, at least a portion of which is configured to be insertable within an inner perimeter of the interior space defined by the sound-generator, the circuit unit comprising a substrate and at least one circuit component mounted on the substrate,
wherein the at least one circuit component forms a communication circuit of a communication partner device for contactless communication.

11. (New) The transducer of claim 10, wherein the substrate comprises a plurality of contacts on an outer face, facing away from the diaphragm.

12. (New) The transducer of claim 11, wherein the circuit unit further comprises an encapsulation portion, the at least one circuit component being housed within the encapsulation portion.

13. (New) The transducer of claim 12, wherein the circuit unit further comprises at least one contact connected to the encapsulation portion, the at least one contact being electrically connected to at least one contact of the moving coil.

14. (New) The transducer of claim 13, wherein the inner periphery of the interior space defined by the sound-generator circuit unit is substantially circular.

15. (New) The transducer of claim 13, wherein the inner periphery of the interior space defined by the sound-generator circuit unit is substantially rectangular.